

Form PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number

10/699,186

Filing Date

October 31, 2003

First Named Inventor

Yukihisa TAKEUCHI

Art Unit

2879

Examiner Name

Sikha Roy

Confirmation No.

1067

Attorney Docket No.

789_119

U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
S.R. CH	3214256	7/27/2001	JP			Complete English Translation	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	Sikha Roy	Date Considered:	2/17/06
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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JUL 08 2004

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U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
S.R.	CG	10/808,258	3/26/2004	Takeuchi et al	789_123		

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Application Number	10/699,186
Filing Date	October 31, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2673
Examiner Name	Not assigned
Confirmation No.	1067
Attorney Docket No.	789 119

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
S.R.	BU	5,280,221	01/18/1994	Okamoto et al.				
	BV	5,747,926	05/05/1998	Nakamoto et al.				
	BW	6,198,225	03/06/2001	Kano et al.				
S.R.	BX	6,479,924	11/12/2002	Yoo				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
S.R.	BY	2675306	10/16/1992	FR				✓
	BZ	2789221	08/04/2000	FR				✓
	CA	2789223	08/04/2000	FR				✓
	CB	10057072	05/23/2001	DE				✓
S.R.	CC	0 353 632	02/07/1990	EP				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

S.R.	CD	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses", Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pages 1396-1403
S.R.	CE	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics", Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pages 2071-2073
S.R.	CF	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields", Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pages 975-982

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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
S.R.	BK	5,508,590	04/16/1996	Sampayan et al.				
	BL	5,453,661	09/26/1995	Auciello et al.				
S.R.	BM	6,157,145	12/5/2000	Vollkommer et al.				

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
S.R.	BP	10/730,754	12/08/2003	Takeuchi et al.	789 118 CIP		
S.R.	BO	10/731,901	12/09/2003	Takeuchi et al.	789 122		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
S.R.	BR	3833604	04/05/1990	DE			✓	
S.R.	BS	2639151	05/18/1990	FR			✓	
S.R.	BT	428853	05/29/1991	EP			✓	

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US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				Application Number	10/699,186
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Filing Date	October 31, 2003
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2673 — 2879
				Examiner Name	Not assigned <i>Sikha Roy</i>
				Confirmation No.	1067
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U.S. PATENT DOCUMENTS

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U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
<i>SR</i>	BA	10/374,955	02/25/2003	Takeuchi et al.	789_105		
<i> </i>	BB	10/459,415	06/11/2003	Takeuchi et al.	789_108 CIP		
<i> </i>	BC	10/459,110	06/11/2003	Takeuchi et al.	789_109 CIP		
<i> </i>	BD	10/459,416	06/11/2003	Takeuchi et al.	789_110 CIP		
<i> </i>	BE	10/459,386	06/11/2003	Takeuchi et al.	789_111 CIP		
<i> </i>	BF	10/647,794	08/25/2003	Takeuchi et al.	789_115		
<i> </i>	BG	10/673,384	09/26/2003	Takeuchi et al.	789_116		
<i> </i>	BH	10/671,763	09/26/2003	Takeuchi et al.	789_117		
<i> </i>	BI	10/719,521	11/21/2003	Takeuchi et al.	789_120		
<i>S.R.</i>	BJ	10/719,596	11/21/03	Takeuchi et al.	789_121		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	<i>Sikha Roy</i>	Date Considered:	<i>2/17/06</i>
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10/31/03

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US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/699,186
				Filing Date	Concurrently Herewith
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2879
				Examiner Name	Sikha Roy
				Confirmation No.	
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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
SR		5,874,802	02-23-1999	Choi et al.				
SR		2002/0153827	10-24-2002	Takeuchi et al.				

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
SR	AA	1-311533 A	12-15-1989	JP				✓
	AB	7-147131 A	06-06-1995	JP			JPO Machine Translation	✓
	AC	2000-285801 A	10-13-2000	JP			JPO Machine Translation	✓
	AD	46-20944	06-12-1971	JP			✓	
	AE	44-26125	11-04-1969	JP			✓	
	AF	11-185600	07-09-1999	JP			JPO Machine Translation	✓
	AG	10-27539 A	01-27-1998	JP			JPO Machine Translation	✓
	AH	11-288249 A	10-19-1999	JP			JPO Machine Translation	✓
	AI	63-150837 A	06-23-1988	JP				✓
	AJ	09-090882 A	04-04-1997	JP			JPO Machine Translation	✓
	AK	59-208587	11-26-1984	JP			Partial	
	AL	3160213 B2	02-16-2001	JP			JPO Machine Translation	✓
	AM	0 953 958 A2	11-03-1999	EP				
	AN	2000-310970 A	11-07-2000	JP			JPO Machine Translation	✓
SR	AO	02/052600 A1	07-04-2002	WO				

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10/31/03

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				Application Number	10/699,186
				Filing Date	Concurrently Herewith
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	2879
				Examiner Name	Sikha Roy
				Confirmation No.	
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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

S.R.	AP	"Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
	AQ	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
	AR	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89.
S.R.	AS	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627.

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Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				OCT 29 2004 COMPLETE IF KNOWN	
Application Number				10/699,186	
Filing Date				October 31, 2003	
First Named Inventor				Yukihisa TAKEUCHI	
Art Unit				2879	
Examiner Name				Sikha Roy	
Confirmation No.				1067	
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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
S.R.	DE	10/951,509	09/28/2004	Takeuchi et al.	789_118 CIP3		
I	DF	10/950,976	09/27/2004	Takeuchi et al.	789_118 CIP6		
I	DG	10/952,524	09/28/2004	Takeuchi et al.	789_135		
S.R.	DH	10/951,832	09/28/2004	Takeuchi et al.	789_136		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	Sikha Roy	Date Considered:	2/17/06
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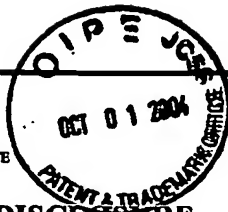
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*In accordance with the Notice signed September 21, 2004 on the PTO website, we are not enclosing copies of any of the above U.S. references or copending applications filed on or after June 30, 2003.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

S.R.	DD	Kanemaru, Seigou, "Featuring: All About Flat Displays 2000, Leading Technological Trend of FEDs," Electronic Engineering, Nikkan Kogyo Shimbun, Ltd., July 2000, pp. 38-41 (with partial translation).

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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
S.R.	CQ	2002/0060516 A1	05/23/2002	Kawate et al.				
	CR	6,580,108 B1	06/17/2003	Utsumi et al.				
	CS	6,452,328 B1	09/17/2002	Saito et al.				
	CT	6,469,452 B2	10/22/2002	Seo et al.				
	CU	6,359,383 B1	03/19/2002	Chuang et al.				
	CV	6,274,881 B1	08/14/2001	Akiyama et al.				
	CW	6,184,612 B1	02/06/2001	Negishi et al.				
	CX	6,153,978	11/28/2000	Okamoto				
	CY	6,040,973	03/21/2000	Okamoto et al.				
	CZ	5,990,605	11/23/1999	Yoshikawa et al.				
	DA	5,877,594	03/02/1999	Miyano et al.				
	DB	5,729,094	03/17/1998	Geis et al.				
S.R.	DC	5,726,524	03/10/1998	Debe				

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S.R.	CK	6,313,815	11/06/2001	Takeda et al.				
S.R.	CL	6,285,123	09/04/2001	Yamada et al.				
S.R.	CM	5,666,019	09/09/1997	Potter				

U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
S.R.	CN	10/919,747	08/17/2001	Takeuchi et al.	789 118 CIP2		
	CO	10/901,932	07/29/2004	Takeuchi et al.	789 118 CIP5		
S.R.	CP	10/919,678	08/17/2004	Takeuchi et al.	789_133		

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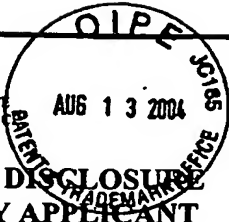
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FOREIGN PATENT DOCUMENTS

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S.R.	CI 05-325777	12/10/1993	JP			✓	✓
S.R.	CJ 08-111166	04/30/1996	JP			✓	✓

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